

ABSTRACT

Four antenna units 701a to 701d arranged adjacent to each other are respectively connected to switches 702a to 702d, and are connected to load impedance elements 703a to 703d via the switches 702a to 702d, or
5 connected to an output terminal 706 and a comparator 707 via a switch 704. Another ends of the load impedance elements 703a to 703d are grounded. The comparator 707 judges which antenna unit receives a radio signal having the maximum signal level among the antenna units 701a to 701d. A controller 705 controls the switches 702a to 702d and the switch 704 so that
10 the antenna unit that receives the radio communication signal having the maximum signal level is connected to the output terminal 706 and the other antenna units are connected to the load impedance elements.